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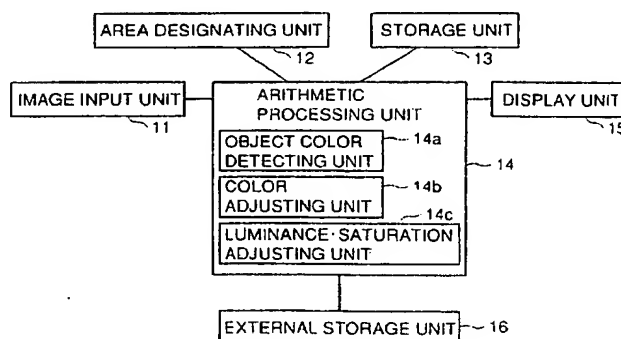
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(54) Method and apparatus for image quality adjustment

(57) Image quality adjusting apparatus includes a display unit (15) displaying an input original image, an area designating unit (12) designating an arbitrary area of the original image displayed on display unit (15), and an arithmetic processing unit (14) adjusting image quality of the input original image, based on pixel values of the area designated by the area designating unit (12). Arithmetic processing unit (14) includes an object color detecting unit (14a) detecting object color of the area designated by area designating unit (12), color adjusting unit (14b) for performing color adjustment of the object color detected by object color detecting unit (14a), and a luminance saturation adjusting unit (14c) adjusting luminance and saturation of the input original image. Arithmetic processing unit (14) adjusts image quality of the input original image based on pixel values of the area designated by area designating unit (12), and therefore it becomes possible for the user to perform image quality adjustment to attain prescribed quality by simple operation.

FIG. 5





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EUROPEAN SEARCH REPORT

Application Number
EP 99 30 7517

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 441 609 A (LEVIEN RAPHAEL L) 14 August 1991 (1991-08-14)	1,2,4, 11,12, 17,19	H04N1/60
Y	* page 3, line 1 - page 7, line 46 *	3,5-7,13	
Y	US 4 488 245 A (DALKE GEORGE W ET AL) 11 December 1984 (1984-12-11) * column 9, line 19-38 *	3	
Y	DE 44 18 782 A (MITSUBISHI ELECTRIC CORP) 8 December 1994 (1994-12-08) * page 6, line 11 - page 7, line 4; figures 2,4 *	5-7,13	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04N
<p>The present search report has been drawn up for all claims</p>			
Place of search THE HAGUE		Date of completion of the search 25 January 2002	Examiner Hardell, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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European Patent
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Application Number
EP 99 30 7517

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-7,11-13;and19 as far as they refer to 11-13



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 99 30 7517

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-7, 11-13; 17 and 19 as far as they refer to 11-13

Image quality adjustment based on a pixel value within a designated area.

2. Claims: 8-10, 14-16,
18; 17 and 19 as far as they refer to 14-16

Image quality adjustment by estimating, adjusting and determining a plurality of colors within the input image and using a transform function which is generated according to this plurality of colors.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 30 7517

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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25-01-2002

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EPO FORM 20459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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